



The National Park Service NPS Social Science Program

FY 2005 Money Generation Model Briefing Statement

Background: The Money Generation Model- Version 2 (MGM2) is a conservative peer-reviewed tool used by the NPS Social Science Program to estimate the contribution of visitor and park payroll spending to gateway economies within a 50-mile radius of parks. A good way to describe the MGM2 estimates is that they represent dollars that enter a gateway economy as a direct result of a park's presence and operation. MGM2 is managed through a partnership with Michigan State University. The analysis below estimates the economic impacts of the National Park System on gateway regions in FY 2005.

The MGM2 estimates are an important indicator of the return on the public's investment of tax dollars in the National Park System. This return is typically 400% or more.

FY 2005 Contribution of Visitor Spending

- 272.6 million recreation visits.
- \$10.4 billion in visitor spending in gateway regions.
- 211,200 jobs supported in gateway regions.
- \$3.9 billion in local wages and salaries in gateway regions.

FY 2005 Contribution of Payroll and Benefits Spending

- 23,978 NPS jobs (including administrative units, such as regional offices and centers).
- \$1.4 billion in NPS payroll and benefits (including administrative units such as regional offices and centers).
- 35,190 local jobs supported in gateway regions (including NPS jobs).
- \$1.7 billion in local wages and salaries in gateway regions (including from NPS jobs).

Combined FY 2005 Contributions

- \$11.9 billion in combined visitor spending and NPS spending on payroll and benefits.
- 246,400 local jobs supported in gateway regions (including NPS jobs).
- \$5.6 billion in local wages and salaries in gateway regions.

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Note: Visitation figures are reported by the NPS Public Use Statistics Office.

Note: Payroll and NPS jobs are reported by the NPS Accounting Operations Center.

Note: Job and income effects exclude spending by local visitors. This is standard practice in economic impact analyses, because spending by local residents does not represent "new" money brought into gateway regions.



Notes**Combined Impacts**

Sum of Visitor Spending and Park Payroll impacts, including multiplier effects
Multipliers are derived from IMPLAN, the predominant model used by federal land management agencies to estimate economic impacts
Impacts are calculated using the peer-reviewed NPS Money Generation Model (version 2)
Payroll impacts are excluded for units without separate payroll data

Visitor Spending and Impacts Estimated with the MGM2 Model Based on:

Number of visitors - Based on preliminary FY05 recreation visits and overnight stays as reported by the Public Use Statistics Office
Visitors are broken down into 4-7 segments (local day trip, non-local day trips, visitors on overnight trips staying in motels or campgrounds inside or outside the park)
Visitor spending averages - Estimated in NPS surveys of selected parks and extrapolated to parks without visitor spending studies
Distinct spending profiles are used for each visitor segment
Spending does not include expenditures on durable goods that cannot be attributed to a single trip

Economic Impacts of Visitor Spending

Based on non-local visitor (local day trips are excluded) spending within roughly 50 miles of the park
Impacts include direct and secondary (multiplier) effects in the gateway region around the park (roughly 50 miles)
IMPLAN multipliers are based on the regional economy. Distinct multipliers are applied to large urban, small urban, and rural regions
Jobs are the number of jobs supported (full and part-time jobs)
Personal income covers wages and salaries, including payroll benefits and income of sole proprietors

Park Operating Expenses

Based on park payroll (wages and salaries plus benefits) and NPS jobs as reported by the Accounting Operations Center
Annual job estimates are averages across 12 months for FY 2005
Where possible, budget data for parks reporting through other units has been separated out based on the park unit's organization code
For some parks (N.B. Washington D.C. monuments), separate payroll data could not be extracted

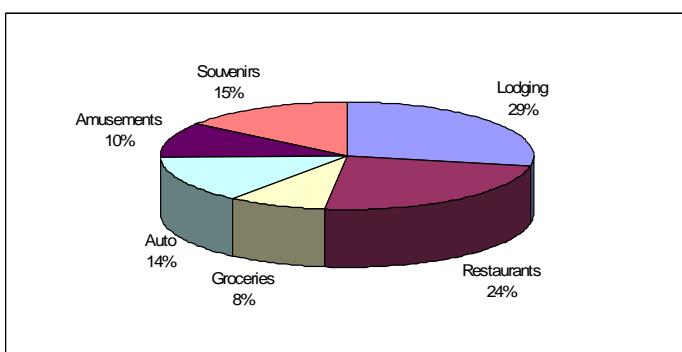
Economic Impacts of Park Operations

Impacts are based on park payroll and NPS jobs and do not include impacts of park operational expenses or construction activities
Impacts of park payroll on jobs include NPS jobs
Impacts of park payroll stem from the spending of income of park employees in the local region
Impacts are estimated using local area IMPLAN Type SAM multipliers for household spending of this income
Impacts of payroll in this table do not include those from regional offices, centers, or other NPS units not reporting visitation

FY 2005 Visitor Spending Patterns: Spending by park visitors in FY 2005 averaged \$37 per party per day by local visitors on day trips and \$236 per night by visitors staying in lodging inside parks. Visitor groups staying in motels, hotels, and cabins outside parks spent \$193 per night. Although this latter segment represented only 25% of visitors in FY 2005, it was responsible for 53% of visitor spending.

National Park Visitor Spending in the Local Area by Visitor Segment, 2005 Systemwide Averages (\$ per party per day/night)

	Local Day Trip	Nonlocal Day Trip	Lodge in Park	Camp in Park	Backcountry	Lodge outside Park	Camp outside Park
Avg. spending	\$37.29	\$65.62	\$236.01	\$82.78	\$63.52	\$209.18	\$91.50
% party day/nights	27%	36%	1%	3%	<1%	25%	8%
% of spending	10%	24%	3%	2%	<1%	53%	7%



Spending on lodging and restaurant meals accounted for over half of all visitor expenditures (see figure).

Visitor spending effects calculated by the MGM2 are conservative in that they exclude airfares and other trip spending beyond 50 miles of a park. Purchases of durable goods (boats, RV's) and major equipment are also excluded, since these cannot be attributed to a single park visit. Special "spending

opportunities," such as commercial rafting trips, air tours, and other special activities are not fully captured. However, the FY 2005 update does include spending on rafting trips at Grand Canyon National Park. River runners in the park produced 72,000 party nights and spent \$32 million dollars.

FY 2005 Park Payroll Patterns: In FY 2005, the NPS employed almost 24,000 people, with a payroll of \$1.125 billion and \$290 million in payroll benefits. This included administrative units, such as regional offices, as well as parks. The local economic impacts of NPS payrolls were \$1.7 billion in personal income and over 35,000 jobs. For every two NPS jobs, another job was supported through the effects of employee spending in gateway regions. As with the impacts of visitor spending, these estimates are conservative. They do not include the local economic contributions from NPS purchases of goods and services from local suppliers and from construction activity.

Comparing Visitor and Payroll Impacts: Comparing the two types of contributions, 70% of the NPS impact on personal income nationally came from visitor spending, while 30% came from payroll spending. Similarly, visitor spending accounted for 86% of the effect on jobs, while payrolls accounted for 14%. However, park payrolls played a much more important role in many day-use parks where visitor spending is often low. For example, at Monocacy National Battlefield, payroll spending accounted for 72% of that park's contribution to personal income in the gateway region and 50% of its contribution to jobs. At Women's Rights National Historical Park, the personal-income contribution from payroll spending was 86% and the job contribution 64%.

Combined Income and Job Impact in Gateway Regions by Park (FY2005)

Park	Local jobs supported (includes NPS jobs)	Personal income created (includes income of NPS employees) (000's)	Total non-local visitor & park payroll spending (000's)
Abraham Lincoln Birthplace NHS	172	\$2,983	\$6,932
Acadia NP	3,003	\$60,797	\$131,972
Adams NHS	315	\$7,774	\$14,050
Agate Fossil Beds NM	23	\$649	\$891
Alibates Flint Quarries NM	2	\$45	\$109
Allegheny Portage Railroad NHS	176	\$4,979	\$7,603
Amistad NRA	865	\$14,613	\$36,464
Andersonville NHS	121	\$2,475	\$5,141
Andrew Johnson NHS	64	\$1,584	\$2,762
Aniakchak NM & Pres	54	\$2,746	\$2,454
Antietam NB	313	\$8,146	\$14,244
Apostle Islands NL	221	\$5,200	\$9,395
Appomattox Court House NHP	182	\$4,140	\$7,662
Arches NP	1,760	\$26,741	\$73,949
Arkansas Post NMem	43	\$1,010	\$1,732
Arlington House, The Robert E. Lee Mem	664	\$14,899	\$30,320
Assateague Island NS	3,103	\$59,963	\$137,019
Aztec Ruins NM	63	\$1,911	\$2,420
Badlands NP	553	\$10,725	\$22,658
Bandelier NM	340	\$8,989	\$14,117
Bent's Old Fort NHS	50	\$1,579	\$2,029
Bering Land Bridge Npres	3	\$43	\$123
Big Bend NP	531	\$12,068	\$21,919
Big Cypress Npres	1,421	\$35,172	\$66,048
Big Hole NB	42	\$622	\$1,774
Big South Fork NRRA	538	\$11,248	\$23,834
Big Thicket NPres	209	\$5,619	\$8,728
Bighorn Canyon NRA	176	\$4,994	\$7,591
Biscayne NP	715	\$17,603	\$32,497
Black Canyon of the Gunnison NP	230	\$4,145	\$9,484
Blue Ridge Parkway	6,672	\$133,271	\$293,917
Bluestone NSR	35	\$699	\$1,553
Booker T. Washington NM	35	\$1,174	\$1,476
Boston African American NHS	421	\$9,349	\$19,159
Boston NHP	1,507	\$37,749	\$68,514
Brown V. Board of Education NHS	21	\$958	\$1,897
Bryce Canyon NP	1,213	\$20,028	\$50,524

Combined Income and Job Impact in Gateway Regions by Park (FY2005)

	Jobs	Personal income	Spending
Buck Island Reef NM	84	\$1,421	\$3,481
Buffalo National River	715	\$14,108	\$29,592
Cabrillo NM	1,114	\$24,939	\$51,058
Canaveral NS	1,566	\$30,773	\$69,236
Cane River Creole NHP	60	\$1,577	\$2,246
Canyon de Chelly NM	926	\$17,966	\$40,764
Canyonlands NP	574	\$12,726	\$23,396
Cape Cod NS	2,287	\$38,923	\$96,403
Cape Hatteras NS	1,721	\$29,848	\$71,498
Cape Krusenstern NM	3	\$50	\$142
Cape Lookout NS	809	\$13,019	\$33,946
Capitol Reef NP	632	\$10,715	\$26,560
Capulin Volcano NM	50	\$1,171	\$1,986
Carl Sandburg Home NHS	53	\$1,589	\$2,084
Carlsbad Caverns NP	558	\$13,893	\$23,463
Casa Grande Ruins NM	81	\$1,746	\$3,400
Castillo de San Marcos NM	834	\$19,183	\$37,978
Castle Clinton NM	1,602	\$34,935	\$73,900
Catoctin Mountain Park	607	\$12,904	\$26,300
Cedar Breaks NM	394	\$6,055	\$16,462
Central High School	62	\$1,480	\$2,580
Chaco Culture NHP	83	\$2,727	\$3,338
Chamizal NMem	319	\$7,842	\$14,245
Channel Islands NP	791	\$20,681	\$35,762
Charles Pinckney NHS	45	\$1,168	\$1,941
Chattahoochee River NRA	1,013	\$23,848	\$46,487
Chesapeake & Ohio Canal NHP	712	\$19,293	\$30,050
Chickamauga & Chattanooga NMP	1,000	\$19,951	\$43,909
Chickasaw NRA	846	\$14,784	\$34,904
Chiricahua NM	98	\$2,802	\$3,963
Christiansted NHS	107	\$2,059	\$4,198
City of Rocks NRES	100	\$1,788	\$4,306
Clara Barton NHS	29	\$775	\$1,097
Colonial NHP	1,044	\$26,402	\$47,052
Colorado NM	396	\$8,029	\$17,263
Congaree Swamp NM	121	\$2,724	\$5,178
Coronado NMem	86	\$1,964	\$3,662
Cowpens NB	230	\$4,515	\$10,008
Crater Lake NP	803	\$15,116	\$32,727
Craters of the Moon NM	180	\$3,448	\$7,689
Cumberland Gap NHP	1,133	\$22,740	\$49,444
Cumberland Island NS	105	\$3,297	\$4,441
Curecanti NRA	778	\$16,339	\$33,856
Cuyahoga Valley NP	1,108	\$30,428	\$49,048
Dayton Aviation Heritage NHP	102	\$2,978	\$4,167
De Soto Nmem	325	\$7,236	\$14,817

Combined Income and Job Impact in Gateway Regions by Park (FY2005)

	Jobs	Income	Spending
Death Valley NP	1,027	\$20,487	\$42,700
Delaware Water Gap NRA	2,575	\$54,174	\$114,079
Denali NP & Pres	871	\$24,831	\$37,225
Devils Postpile NM	65	\$1,131	\$2,691
Devils Tower NM	310	\$5,259	\$12,878
Dinosaur NM	359	\$7,326	\$14,859
Dry Tortugas NP	149	\$3,838	\$6,718
Edgar Allan Poe NHS	25	\$776	\$1,061
Edison NHS	38	\$2,003	\$1,575
Effigy Mounds NM	95	\$1,983	\$3,645
Eisenhower NHS	123	\$2,711	\$5,015
El Malpais NM	130	\$2,827	\$5,323
El Morro NM	58	\$1,287	\$2,335
Eleanor Roosevelt NHS	50	\$900	\$2,028
Eugene O'Neill NHS	13	\$479	\$483
Everglades NP	1,736	\$50,255	\$77,720
Federal Hall NMem	42	\$1,148	\$1,825
Fire Island NS	781	\$17,227	\$34,703
Florissant Fossil Beds NM	82	\$1,932	\$3,394
Ford's Theatre NHS	469	\$10,757	\$21,427
Fort Bowie NHS	19	\$625	\$790
Fort Caroline NMem	239	\$6,348	\$10,643
Fort Davis NHS	71	\$1,825	\$2,854
Fort Donelson NB	184	\$3,378	\$7,687
Fort Frederica NM	374	\$7,392	\$16,471
Fort Laramie NHS	69	\$1,885	\$2,751
Fort Larned NHS	50	\$1,399	\$2,003
Fort Matanzas NM	1,311	\$28,397	\$60,531
Fort McHenry NM & HS	851	\$19,476	\$38,628
Fort Necessity NB	103	\$2,623	\$4,394
Fort Point NHS	2,229	\$48,347	\$102,883
Fort Pulaski NM	328	\$6,701	\$14,440
Fort Raleigh NHS	215	\$3,374	\$9,016
Fort Scott NHS	41	\$1,347	\$1,767
Fort Smith NHS	93	\$2,167	\$3,944
Fort Stanwix NM	58	\$1,721	\$2,262
Fort Sumter NM	385	\$9,349	\$17,360
Fort Union NM	26	\$845	\$930
Fort Union Trading Post NHS	27	\$856	\$1,144
Fort Vancouver NHS	834	\$16,546	\$37,262
Fort Washington Park	161	\$3,479	\$7,439
Fossil Butte NM	28	\$810	\$1,117
Franklin Delano Roosevelt Memorial	1,616	\$34,925	\$74,684
Frederick Douglass NHS	27	\$796	\$1,016
Frederick Law Olmsted NHS	65	\$2,905	\$2,443
Fredericksburg & Spotsylvania NMP	631	\$13,999	\$27,482

Combined Income and Job Impact in Gateway Regions by Park (FY2005)

	Jobs	Income	Spending
Friendship Hill NHS	47	\$1,334	\$2,177
Gates of the Arctic NP & Pres	56	\$1,961	\$2,031
Gateway NRA	1,740	\$51,349	\$75,124
Gauley River NRA	110	\$2,178	\$4,893
General Grant NMem	111	\$2,896	\$5,156
George Rogers Clark NHP	149	\$3,249	\$6,512
George Washington Birthplace NM	100	\$2,805	\$4,151
George Washington Carver NM	71	\$1,785	\$2,828
George Washington Memorial Pkwy	333	\$12,667	\$12,465
Gettysburg NMP	2,431	\$40,249	\$101,665
Gila Cliff Dwellings NM	28	\$556	\$1,168
Glacier Bay NP & Pres	449	\$10,391	\$19,483
Glacier NP	2,089	\$48,115	\$88,159
Glen Canyon NRA	2,954	\$61,566	\$130,018
Golden Gate NRA	2,576	\$73,401	\$114,773
Golden Spike NHS	61	\$1,644	\$2,568
Governors Island NM	36	\$1,122	\$1,501
Grand Canyon NP	9,946	\$170,000	\$416,434
Grand Portage NM	176	\$3,150	\$7,363
Grand Teton NP	2,727	\$58,500	\$118,305
Grant-Kohrs Ranch NHS	42	\$1,428	\$1,689
Great Basin NP	144	\$3,824	\$5,886
Great Sand Dunes NM	261	\$5,072	\$10,827
Great Smoky Mountains NP	14,238	\$319,559	\$652,479
Greenbelt Park	283	\$6,643	\$12,872
Guadalupe Mountains NP	315	\$7,501	\$13,581
Guilford Courthouse NMP	415	\$8,125	\$18,433
Gulf Islands NS	645	\$16,766	\$27,368
Hagerman Fossil Beds NM	32	\$905	\$1,203
Haleakala NP	2,244	\$44,457	\$98,738
Hamilton Grange NMem	26	\$622	\$1,058
Hampton NHS	57	\$1,741	\$2,342
Harpers Ferry NHP	401	\$11,301	\$16,521
Harry S Truman NHS	77	\$2,393	\$3,282
Hawaii Volcanoes NP	2,382	\$49,533	\$104,513
Herbert Hoover NHS	197	\$4,288	\$8,453
Home of Franklin D. Roosevelt N	30	\$1,261	\$7,420
Homestead National Monument of America	61	\$1,433	\$2,469
Hopewell Culture NHP	46	\$1,232	\$1,758
Hopewell Furnace NHS	83	\$2,316	\$3,446
Horseshoe Bend NMP	88	\$2,072	\$3,778
Hot Springs NP	2,103	\$41,232	\$92,295
Hovenweep NM	39	\$1,059	\$1,668
Hubbell Trading Post NHS	128	\$2,959	\$5,365
Independence NHP	3,054	\$76,521	\$139,404
Indiana Dunes NL	949	\$19,863	\$40,278

Combined Income and Job Impact in Gateway Regions by Park (FY2005)

	Jobs	Income	Spending
Isle Royale NP	108	\$4,301	\$5,083
James A. Garfield NHS	23	\$571	\$992
Jean Lafitte NHP & PRES	588	\$13,778	\$25,783
Jefferson National Expansion Memorial	2,395	\$57,636	\$107,666
Jewel Cave NM	137	\$3,069	\$5,608
Jimmy Carter NHS	85	\$1,914	\$3,552
John D Rockefeller Jr. Mem Pkwy	116	\$2,437	\$5,072
John Day Fossil Beds NM	125	\$2,706	\$5,153
John Fitzgerald Kennedy NHS	19	\$602	\$807
John Muir NHS	53	\$1,553	\$2,255
Johnstown Flood Nmem	132	\$2,716	\$5,716
Joshua Tree NP	1,283	\$31,151	\$57,220
Kalaupapa NHP	119	\$3,733	\$4,875
Kaloko-Honokohau NHP	122	\$3,040	\$5,215
Katmai NP & Pres	120	\$3,707	\$5,198
Kenai Fjords NP	413	\$9,310	\$18,514
Kennesaw Mountain NBP	602	\$13,670	\$27,654
Kings Mountain NMP	291	\$6,048	\$12,757
Klondike Gold Rush NHP Alaska	462	\$8,421	\$19,526
Klondike Gold Rush NHP Seattle	104	\$2,432	\$4,562
Knife River Indian Villages NHS	43	\$1,123	\$1,768
Kobuk Valley NP	5	\$75	\$215
Korean War Veterans Memorial	1,719	\$37,144	\$79,429
Lake Chelan NRA	28	\$412	\$1,176
Lake Clark NP & Pres	45	\$2,075	\$1,901
Lake Mead NRA	5,423	\$90,376	\$228,373
Lake Meredith NRA	872	\$17,656	\$38,078
Lake Roosevelt NRA	851	\$15,612	\$35,677
Lassen Volcanic NP	362	\$11,523	\$16,436
Lava Beds NM	163	\$4,233	\$6,756
LBJ Memorial Grove on the Potomac	583	\$12,601	\$26,945
Lewis & Clark NHP	351	\$7,271	\$15,241
Lincoln Boyhood NMem	168	\$3,575	\$7,186
Lincoln Home NHS	486	\$10,457	\$20,802
Lincoln Memorial	1,914	\$41,346	\$88,415
Little Bighorn Battlefield NM	282	\$4,882	\$11,721
Little River Canyon NPRES	211	\$3,699	\$8,783
Longfellow NHS	36	\$667	\$1,610
Lowell NHP	1,103	\$28,392	\$49,653
Lyndon B. Johnson NHP	180	\$5,957	\$7,447
Maggie L Walker NHS	2	\$37	\$90
Mammoth Cave NP	2,570	\$42,232	\$105,290
Manassas NBP	302	\$8,045	\$13,667
Manzanar NHS	79	\$1,695	\$3,204
Marsh-Billings Rockefeller NHP	65	\$2,106	\$2,562
Martin Luther King Jr NHS	850	\$19,840	\$38,771

Combined Income and Job Impact in Gateway Regions by Park (FY2005)

	Jobs	Income	Spending
Martin Van Buren NHS	28	\$1,058	\$1,087
Mary McLeod Bethune Council House NHS	4	\$85	\$183
Mesa Verde NP	964	\$22,359	\$41,055
Minute Man NHP	1,402	\$31,743	\$64,294
Minuteman Missile NHS	19	\$501	\$756
Missouri National Recreational	103	\$1,510	\$4,760
Mojave Npres	227	\$6,733	\$9,514
Monocacy NB	46	\$1,790	\$2,089
Montezuma Castle NM	679	\$13,474	\$29,790
Moores Creek NB	52	\$1,047	\$2,011
Morristown NHP	323	\$7,463	\$14,204
Mount Rainier NP	1,012	\$26,278	\$41,584
Mount Rushmore Nmem	1,602	\$32,361	\$70,461
Muir Woods NM	1,017	\$22,364	\$46,858
Natchez NHP	263	\$5,658	\$11,474
Natchez Trace Parkway	775	\$20,556	\$33,092
National Capital Parks Central	832	\$17,975	\$38,438
National Capital Parks East	923	\$19,934	\$42,626
National World War II Memorial	2,862	\$61,829	\$132,215
Natural Bridges NM	137	\$2,788	\$5,991
Navajo NM	88	\$2,078	\$3,623
New Bedford Whaling NHP	435	\$9,749	\$20,028
New Orleans Jazz NHP	67	\$1,461	\$2,867
New River Gorge NR	963	\$22,385	\$41,989
Nez Perce NHP	177	\$4,178	\$7,312
Nicodemus NHS	28	\$617	\$1,199
Ninety Six NHS	42	\$1,064	\$1,851
Niobrara NSR	114	\$1,986	\$4,762
Noatak Npres	7	\$109	\$311
North Cascades NP	255	\$9,576	\$8,437
Obed Wild and Scenic River	153	\$3,175	\$6,683
Ocmulgee NM	143	\$3,161	\$6,129
Olympic NP	2,395	\$51,869	\$103,614
Oregon Caves NM	124	\$2,947	\$5,064
Organ Pipe Cactus NM	219	\$6,222	\$9,739
Ozark National Scenic Riverways	1,325	\$28,956	\$58,314
Padre Island NS	1,046	\$21,735	\$45,828
Palo Alto Battlefield NHS	35	\$952	\$1,391
Pea Ridge NMP	91	\$2,220	\$3,659
Pecos NHP	49	\$1,622	\$1,931
Pennsylvania Avenue NHS	116	\$2,513	\$5,374
Perry's Victory and Internatl Peace Mem	137	\$2,582	\$5,690
Petersburg NB	211	\$5,659	\$9,140
Petrified Forest NP	949	\$19,740	\$41,485
Petroglyph NM	108	\$3,260	\$4,613
Pictured Rocks NL	461	\$8,108	\$19,344

Combined Income and Job Impact in Gateway Regions by Park (FY2005)

	Jobs	Income	Spending
Pinnacles NM	129	\$3,819	\$5,505
Pipe Spring NM	80	\$1,971	\$3,263
Pipestone NM	112	\$2,112	\$4,614
Piscataway Park	96	\$2,081	\$4,449
Point Reyes NS	1,823	\$44,139	\$82,469
President's Park	639	\$13,807	\$29,525
Prince William Forest Park	199	\$5,791	\$8,200
Pu'uhonua o Honaunau NHP	592	\$11,755	\$25,974
Puukohola Heiau NHS	127	\$2,745	\$5,470
Rainbow Bridge NM	82	\$1,589	\$3,600
Redwood NP	530	\$14,947	\$22,211
Richmond NBP	150	\$4,500	\$6,209
Rio Grande Wild and Scenic River	5	\$203	\$189
Rock Creek Park	1,251	\$29,938	\$56,681
Rocky Mountain NP	4,794	\$80,381	\$199,216
Roger Williams Nmem	76	\$1,821	\$3,293
Ross Lake NRA	177	\$2,604	\$7,432
Russell Cave NM	30	\$735	\$1,227
Sagamore Hill NHS	84	\$2,492	\$3,460
Saguaro NP	953	\$19,877	\$41,426
Saint Croix NSR	324	\$6,980	\$13,618
Saint Paul's Church NHS	18	\$388	\$829
Saint-Gaudens NHS	51	\$1,654	\$2,121
Salem Maritime NHS	1,011	\$22,916	\$46,037
Salinas Pueblo Missions NM	66	\$1,862	\$2,448
San Antonio Missions NHP	802	\$19,126	\$36,422
San Francisco Maritime NHP	1,315	\$32,991	\$60,196
San Juan Island NHP	337	\$7,734	\$15,415
San Juan NHS	1,194	\$23,946	\$51,561
Santa Monica Mountains NRA	375	\$12,743	\$16,720
Saratoga NHP	123	\$3,123	\$5,133
Saugus Iron Works NHS	41	\$1,397	\$1,690
Scotts Bluff NM	65	\$1,668	\$2,681
Sequoia NP/ Kings Canyon NP	2,135	\$51,184	\$91,268
Shenandoah NP	1,309	\$28,638	\$52,643
Shiloh NMP	253	\$4,899	\$10,538
Sitka NHP	253	\$4,831	\$10,718
Sleeping Bear Dunes NL	673	\$12,908	\$28,836
Springfield Armory NHS	55	\$1,850	\$2,403
Statue of Liberty NM	3,441	\$80,429	\$155,763
Steamtown NHS	170	\$5,914	\$7,422
Stones River NB	233	\$4,843	\$9,914
Sunset Crater Volcano NM	234	\$4,318	\$10,431
Tallgrass Prairie NPres	35	\$979	\$1,385
Thaddeus Kosciuszko NMem	10	\$286	\$389
Theodore Roosevelt Birthplace NHS	21	\$659	\$926

Combined Income and Job Impact in Gateway Regions by Park (FY2005)

	Jobs	Income	Spending
Theodore Roosevelt Inaugural NHS	19	\$384	\$802
Theodore Roosevelt Island	136	\$2,947	\$6,302
Theodore Roosevelt NP	605	\$10,417	\$24,852
Thomas Jefferson Memorial	1,273	\$27,509	\$58,824
Thomas Stone NHS	19	\$480	\$542
Timpanogos Cave NM	179	\$4,385	\$7,381
Timucuan Ecological & Historic Pres	1,602	\$34,604	\$73,998
Tonto NM	96	\$2,382	\$4,128
Tumacacori NHP	58	\$1,543	\$2,413
Tuskegee Airmen NHS	23	\$682	\$864
Tuskegee Institute NHS	93	\$2,323	\$4,010
Tuzigoot NM	111	\$2,052	\$4,955
Ulysses S. Grant NHS	54	\$1,587	\$2,150
Upper Delaware SRR	184	\$4,461	\$8,020
USS Arizona Memorial	1,089	\$24,734	\$49,674
Valley Forge NHP	801	\$18,921	\$35,673
Vanderbilt Mansion NHS	217	\$5,165	\$9,653
Vicksburg NMP	885	\$17,778	\$38,555
Vietnam Veterans Memorial	2,067	\$44,669	\$95,521
Virgin Islands NP	2,090	\$41,039	\$92,287
Voyageurs NP	330	\$7,530	\$14,037
Walnut Canyon NM	134	\$2,465	\$5,954
War in the Pacific NHP	40	\$1,216	\$1,719
Washington Monument	627	\$13,548	\$27,448
Washita Battlefield NHS	24	\$624	\$893
Weir Farm NHS	34	\$1,198	\$1,371
Whiskeytown-Shasta-Trinity NRA	700	\$15,465	\$29,862
White House	239	\$5,165	\$11,044
White Sands NM	538	\$8,871	\$22,512
Whitman Mission NHS	58	\$1,352	\$2,397
William Howard Taft NHS	31	\$990	\$1,312
Wilson's Creek NB	240	\$5,782	\$10,791
Wind Cave NP	983	\$20,199	\$42,843
Wolf Trap Farm Park	813	\$19,345	\$36,246
Women's Rights NHP	35	\$1,311	\$1,528
Wrangell-St Elias NP & Pres	146	\$5,552	\$6,699
Wright Brothers NMem	373	\$5,922	\$15,652
Wupatki NM	309	\$7,978	\$13,214
Yellowstone NP	6,815	\$150,748	\$298,066
Yosemite NP	8,948	\$155,680	\$371,130
Yukon-Charley Rivers Npres	47	\$1,559	\$1,742
Zion NP	2,285	\$47,877	\$98,624

FY 2005 Visitor/Payroll Expenditure Impacts by State

STATE	# of Parks	Impact of Visitor Spending + Payroll			Impact of Visitor Spending Only			FY05 Income Created (\$000's)
		FY05 Jobs Supported	FY05 Income Created (\$000's)	FY05 Rec. Visits	FY05 Visitor Spending (\$000's)	FY05 Jobs Supported	FY05 Rec. Visits	
AK	15	2,931	\$75,665	1,975,704	\$96,478	2,119	\$34,731	
AL	5	446	\$9,511	346,221	\$16,706	364	\$6,005	
AR	5	3,045	\$60,737	2,552,186	\$129,245	2,743	\$48,264	
AZ	21	19,396	\$365,751	10,428,551	\$737,262	17,858	\$292,911	
CA	22	27,027	\$602,520	32,307,595	\$1,237,967	23,383	\$434,579	
CO	10	7,952	\$148,220	5,486,962	\$314,760	7,074	\$111,157	
CT	1	34	\$1,198	11,355	\$722	15	\$315	
DC	18	16,836	\$367,499	30,277,731	\$853,538	16,680	\$360,393	
FL	11	10,467	\$248,990	8,082,633	\$472,049	9,468	\$198,803	
GA	10	4,618	\$102,250	6,157,032	\$227,396	4,262	\$85,319	
GU	1	40	\$1,216	28,896	\$989	22	\$323	
HI	7	6,673	\$139,998	5,272,758	\$293,667	6,152	\$116,689	
IA	2	292	\$6,270	249,778	\$10,958	233	\$4,060	
ID	4	488	\$10,320	460,843	\$17,900	394	\$6,148	
IL	1	486	\$10,456	406,806	\$19,890	417	\$7,686	
IN	3	1,267	\$26,687	2,149,695	\$64,303	1,057	\$16,559	
KS	5	175	\$5,300	124,902	\$5,057	86	\$1,260	
KY	3	3,875	\$67,954	3,082,973	\$162,433	3,540	\$55,942	
LA	3	715	\$16,816	563,547	\$27,554	579	\$10,569	
MA	13	8,813	\$195,692	9,196,678	\$409,229	8,026	\$157,744	
MD	9	6,066	\$132,344	6,832,658	\$270,316	5,482	\$106,679	
ME	1	3,003	\$60,797	2,103,398	\$127,236	2,796	\$51,537	
MI	3	1,250	\$25,446	1,696,958	\$51,445	1,070	\$15,751	
MN	3	618	\$12,792	367,175	\$21,854	505	\$7,426	
MO	6	4,161	\$98,138	4,721,817	\$185,723	3,641	\$74,122	
MS	3	1,923	\$43,992	6,544,460	\$126,643	1,602	\$29,523	
MT	5	2,631	\$60,040	2,547,973	\$96,891	2,085	\$36,869	
NC	8	10,390	\$197,625	21,713,899	\$459,795	9,723	\$168,256	
ND	3	675	\$12,395	549,996	\$25,567	579	\$8,505	
NE	5	324	\$7,214	279,244	\$11,540	247	\$3,973	

Note: Park is assigned to state of mailing address.

FY 2005 Visitor/Payroll Expenditure Impacts by State

STATE	# of Parks	Impact of Visitor Spending + Payroll			Impact of Visitor Spending Only		
		FY05 Jobs Supported	FY05 Income Created (\$000's)	FY05 Rec. Visits	FY05 Visitor Spending (\$000's)	FY05 Jobs Supported	FY05 Income Created (\$000's)
NH	1	51	\$1,654	25,627	\$1,253	26	\$484
NJ	2	361	\$9,466	268,616	\$13,134	275	\$5,075
NM	13	2,095	\$49,799	1,653,700	\$69,019	1,528	\$25,604
NV	2	5,567	\$94,200	7,800,214	\$264,527	5,206	\$76,509
NY	19	8,465	\$208,201	17,646,989	\$448,976	7,280	\$153,999
OH	6	1,447	\$38,782	3,097,964	\$66,180	1,098	\$22,749
OK	2	870	\$15,408	1,322,723	\$36,665	764	\$11,228
OR	4	1,437	\$28,531	873,146	\$53,084	1,219	\$19,398
PA	14	10,300	\$223,607	12,960,740	\$433,794	9,183	\$166,569
PR	1	1,194	\$23,946	1,060,733	\$51,863	1,087	\$20,040
RI	1	76	\$1,821	49,566	\$3,150	64	\$1,375
SC	6	1,115	\$24,870	1,412,427	\$49,007	990	\$19,329
SD	6	3,380	\$68,224	3,770,332	\$140,305	3,045	\$54,173
TN	7	15,662	\$348,687	10,823,552	\$705,950	14,974	\$316,403
TX	13	5,252	\$115,141	5,310,838	\$219,185	4,513	\$81,977
UT	9	7,339	\$134,913	6,072,958	\$293,512	6,686	\$107,784
VA	17	6,814	\$164,923	14,910,215	\$290,140	5,543	\$108,286
VI	3	2,597	\$52,393	964,072	\$95,309	2,457	\$46,739
VT	1	65	\$2,106	28,462	\$1,392	29	\$538
WA	10	6,089	\$136,375	7,137,998	\$240,053	5,044	\$91,833
WI	2	545	\$12,181	600,858	\$19,462	420	\$6,177
WV	4	1,509	\$36,563	1,493,386	\$60,259	1,192	\$21,977
WY	6	10,065	\$219,638	6,800,336	\$409,310	8,781	\$160,610
TOTAL	355	238,909	\$5,125,260	272,605,876	\$10,440,643	213,606	\$3,970,955

Note: Park is assigned to state of mailing address.

FY 2005 Visitor/Payroll Expenditure Impacts by State

STATE	Impact of Park Payroll Only			FY05 Income Created (\$000's)
	FY05 NPS Jobs in Parks	FY05 NPS Salary in Parks	FY05 NPS Benefits in Parks Supported	
AK	544	\$28,718,092	\$6,186,740	814
AL	58	\$2,272,744	\$658,304	81
AR	221	\$8,261,650	\$2,400,001	302
AZ	999	\$46,882,772	\$12,443,845	1,536
CA	2,485	\$109,955,759	\$28,535,563	3,646
CO	646	\$25,689,965	\$6,236,117	879
CT	13	\$546,622	\$150,226	19
DC	102	\$4,428,423	\$1,167,362	156
FL	625	\$31,232,814	\$8,643,446	999
GA	232	\$10,789,735	\$2,955,085	357
GU	13	\$654,205	\$142,307	18
HI	346	\$15,069,181	\$3,732,737	522
IA	44	\$1,528,852	\$342,823	59
ID	71	\$2,917,095	\$825,583	94
IL	48	\$1,808,361	\$429,902	69
IN	153	\$6,954,915	\$1,985,613	210
KS	66	\$2,789,063	\$728,314	90
KY	263	\$8,389,977	\$2,066,608	335
LA	92	\$4,050,284	\$1,128,249	136
MA	517	\$24,409,130	\$6,262,214	787
MD	391	\$16,416,351	\$4,240,598	583
ME	137	\$6,013,575	\$1,475,998	207
MI	128	\$7,024,146	\$1,639,134	179
MN	84	\$3,763,486	\$1,049,086	112
MO	343	\$14,922,428	\$4,305,854	521
MS	215	\$9,024,821	\$2,786,896	321
MT	379	\$15,681,196	\$3,484,957	546
NC	468	\$19,620,300	\$5,042,782	666
ND	75	\$2,757,437	\$728,239	97
NE	57	\$2,173,794	\$609,519	77

Note: Park is assigned to state of mailing address.

FY 2005 Visitor/Payroll Expenditure Impacts by State

STATE	Impact of Park Payroll Only			FY05 Income Created (\$000's)
	FY05 NPS Jobs in Parks	FY05 NPS Salary in Parks	FY05 NPS Benefits in Parks Supported	
NH	16	\$739,228	\$213,278	25
NJ	52	\$2,756,884	\$764,168	86
NM	403	\$15,969,411	\$4,305,815	567
NV	267	\$12,545,956	\$3,302,894	361
NY	783	\$34,799,404	\$8,479,099	1,184
OH	234	\$10,066,553	\$2,779,518	349
OK	83	\$2,964,160	\$780,913	106
OR	152	\$5,986,404	\$1,521,673	219
PA	710	\$36,616,031	\$10,003,226	1,117
PR	78	\$2,545,106	\$611,136	107
RI	9	\$273,636	\$78,772	12
SC	83	\$3,501,858	\$951,252	124
SD	249	\$9,609,704	\$2,627,874	335
TN	462	\$20,473,920	\$5,849,819	688
TX	518	\$21,480,119	\$6,241,866	740
UT	480	\$18,176,530	\$4,972,302	655
VA	848	\$35,497,445	\$9,650,911	1,271
VI	109	\$3,985,749	\$1,082,335	140
VT	24	\$1,036,702	\$226,032	36
WA	720	\$29,138,043	\$7,338,917	1,045
WI	93	\$4,257,667	\$1,120,446	125
WV	209	\$9,219,649	\$2,651,691	317
WY	848	\$38,225,588	\$9,868,675	1,284
TOTAL	17,245	\$754,612,920	\$197,806,654	25,311
				\$1,154,306

Note: Park is assigned to state of mailing address.

Notes**Combined Impacts**

Sum of Visitor Spending and Park Payroll impacts, including multiplier effects
Multipliers are derived from IMPLAN, the predominant model used by federal land management agencies to estimate economic impacts
Impacts are calculated using the peer-reviewed NPS Money Generation Model (version 2)
Payroll impacts are excluded for units without separate payroll data

Visitor Spending and Impacts Estimated with the MGM2 Model Based on:

Number of visitors - Based on preliminary FY05 recreation visits and overnight stays as reported by the Public Use Statistics Office
Visitors are broken down into 4-7 segments (local day trip, non-local day trips, visitors on overnight trips staying in motels or campgrounds inside or outside the park)
Visitor spending averages - Estimated in NPS surveys of selected parks and extrapolated to parks without visitor spending studies
Distinct spending profiles are used for each visitor segment
Spending does not include expenditures on durable goods that cannot be attributed to a single trip

Economic Impacts of Visitor Spending

Based on non-local visitor (local day trips are excluded) spending within roughly 50 miles of the park
Impacts include direct and secondary (multiplier) effects in the gateway region around the park (roughly 50 miles)
IMPLAN multipliers are based on the regional economy. Distinct multipliers are applied to large urban, small urban, and rural regions
Jobs are the number of jobs supported (full and part-time jobs)
Personal income covers wages and salaries, including payroll benefits and income of sole proprietors

Park Operating Expenses

Based on park payroll (wages and salaries plus benefits) and NPS jobs as reported by the Accounting Operations Center
Annual job estimates are averages across 12 months for FY 2005
Where possible, budget data for parks reporting through other units has been separated out based on the park unit's organization code
For some parks (N.B. Washington D.C. monuments), separate payroll data could not be extracted

Economic Impacts of Park Operations

Impacts are based on park payroll and NPS jobs and do not include impacts of park operational expenses or construction activities
Impacts of park payroll on jobs include NPS jobs
Impacts of park payroll stem from the spending of income of park employees in the local region
Impacts are estimated using local area IMPLAN Type SAM multipliers for household spending of this income
Impacts of payroll in this table do not include those from regional offices, centers, or other NPS units not reporting visitation